

**Abstract:**

5 Metal cluster nanocompounds of transition metals, which  
consist of a metal core of atoms of at least one  
transition metal and of at least one ligand, including  
their physiologically tolerated salts, derivatives,  
isomers, hydrates, metabolites and prodrugs, are  
described which are suitable for the prophylactic  
and/or therapeutic (curative) treatment of disorders of  
10 the human or animal body, in particular of neoplastic  
and cancerous diseases, by being able to interact with  
the DNA, preferably B-DNA, of the corresponding cells  
under physiological conditions.

15 (Fig. 1)